

4/8 R.M.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Washington, D.C. 20231 on March 20, 1998.

Elaine Porter
Signature

5/a

Applicant : Dah-Ben Liang et al.
Application No. : 08/815,745
Filed : March 12, 1997
Title : ROCK BIT WITH HARDFACING MATERIAL
INCORPORATING SPHERICAL CAST CARBIDE
PARTICLES

Grp./Div. : 3625
Examiner : Roger Schoepfel

Docket : 30473/KSJ/S61

AMENDMENT

Post Office Box 7068
Pasadena, CA 91109-7068
March 20, 1998

Assistant Commissioner for Patents
Washington, D.C. 20231

Commissioner:

In response to the Office action dated March 6, 1998, please amend the above-identified application as follows:

In the Claims:

Amend claims 5, 6, 8, 9, 17-20, and 24 as follows:

- 1 5. (Amended) The rock bit of claim 1 wherein the filler
2 comprises in the range of from 10 to 99 percent by weight spherical
3 cast tungsten carbide particles having a particle size between
4 about 16 to 40 mesh, and further comprises tungsten carbide
5 particles selected from the group consisting of spherical cemented,



G-P 3625

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AMENDMENT TRANSMITTAL LETTER

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Assistant Commissioner for Patents
 Washington, D.C. 20231

Post Office Box 7068
 Pasadena, CA 91109-7068

Enclosed is an amendment to the above-identified application.

| CALCULATION OF FEE | | | | | | |
|---|--|--|----------------------------|-------------------------|----------|-----|
| ITEM | | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PAID FOR | EXCESS CLAIMS X RATE | SUBTOTAL | FEE |
| A | TOTAL CLAIMS FEE | 27 | 27 * | 0 X \$11.00 | | |
| B | INDEPENDENT CLAIMS | 3 | 3 ** | 0 X \$41.00 | | |
| C | SMALL ENTITY FEE = A + B LARGE ENTITY FEE = 2 x (A + B) | | | | | |
| D | MULTIPLE-DEPENDENT CLAIMS FEE*** | SMALL ENTITY FEE = \$135.00 LARGE ENTITY FEE = \$270.00 | | | | |
| E | TOTAL FILING FEE | | | | | |
| F | NO ADDITIONAL FEE REQUIRED**** | IF NO FEE REQUIRED, INSERT "0" | | | | 0 |
| LIST INDEPENDENT CLAIMS: 1, 12, 23 | | | | | | |
| * IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3 ** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3 *** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME **** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS" | | | | | | |

Amendment Transmittal Letter
Application No. 08/815,745


- ☐ Attached is our check for \$ to pay the fees calculated above.
- ☐ A Petition for Extension of Time and the required fee are enclosed.
- ☐ Other enclosures:

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A copy of this letter is enclosed.**

Please address all correspondence to **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, CA 91109-7068.**

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

Kenyon S. Jenckes
Reg. No. P-41,873
626/795-9900; 213/681-1800

KSJ/aem

EP PAS126621.1--3/20/98 10:35 am